

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 34   | (ink same (dispers\$3 with pigment) same ((bind\$3 with polymer\$2) or cation)) and ((fix\$3 or cur\$3 or harden\$3 or coat\$3) same (copper or cu))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2006/06/07 08:24 |
| L2    | 1    | (ink same (dispers\$3 with pigment) same ((bind\$3 with polymer\$2) or cation)) and ((fix\$3 or cur\$3 or harden\$3 or coat\$3) same (((copper or cu) near salt)))                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2006/06/07 09:05 |
| L3    | 3    | 10/755630   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2006/06/07 09:39 |
| L4    | 2    | (ink same (dispers\$3 with pigment) same ((bind\$3 with polymer\$2) or cation)) and ((fix\$3 or cur\$3 or harden\$3 or coat\$3) same (((copper or cu) near (salt or nitrate or sulfate or acetate)))))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2006/06/07 09:22 |
| L5    | 4    | (ink same ((dispers\$3 with pigment) and ((bind\$3 with polymer\$2) or cation))) and ((fix\$3 or cur\$3 or harden\$3 or coat\$3) same (((copper or cu) near (salt or nitrate or sulfate or acetate))))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2006/06/07 09:23 |
| L7    | 2    | "6550903".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2006/06/07 10:24 |
| L8    | 0    | ink same (multi\$valent near cation) near3 examples   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2006/06/07 09:21 |
| L9    | 0    | ink and (multi\$valent near cation) near3 examples  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2006/06/07 09:21 |

## EAST Search History

|     |     |  |   |     |     |                  |
|-----|-----|--|---|-----|-----|------------------|
| L10 | 41  | ink same (multi\$valent near cation)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:21 |
| L11 | 1   | 10/755630 and multi\$valent  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:21 |
| L12 | 12  | (ink same ((dispers\$3 with pigment))) and ((fix\$3 or cur\$3 or harden\$3 or coat\$3) same (((copper or cu) near (salt or nitrate or sulfate or acetate)))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:32 |
| L13 | 171 | ((dispers\$3 with pigment))) and ((fix\$3 or cur\$3 or harden\$3 or coat\$3) same (((copper or cu) near (salt or nitrate or sulfate or acetate))))           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:27 |
| L14 | 39  | ((dispers\$3 with pigment))) and ((fix\$3 or cur\$3 or harden\$3 or coat\$3) same (((copper or cu) near (salt or nitrate or sulfate or acetate)))) and ink   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:29 |
| L15 | 23  | (jackson.in. near christian) or (wolfe.in. near (michael near stephen)) and ink  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:34 |
| L16 | 19  | ("1191077" "1172225").pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/06/07 09:35 |
| L17 | 4   | ("6827434" "6494569").pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/06/07 09:35 |

## EAST Search History

|     |     |  |   |     |     |                  |
|-----|-----|--|---|-----|-----|------------------|
| L18 | 3   | 10/755630 and binder   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:41 |
| L19 | 3   | (soluble with polymer near bind\$3)<br>and (multivalent near cation)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:41 |
| L20 | 2   | (soluble with polymer near bind\$3)<br>and (multivalent near cation) and<br>ink    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:42 |
| L21 | 5   | (soluble with polymer\$3 near<br>bind\$3) and (multivalent near<br>cation) and ink | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:42 |
| L22 | 7   | (soluble with polymer\$3 with<br>bind\$3) and (multivalent near<br>cation) and ink | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:43 |
| L23 | 124 | (soluble with polymer\$3 with<br>bind\$3) and (multivalent) and ink                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:42 |
| L24 | 13  | (soluble with polymer\$3 with<br>bind\$3) and (multivalent near<br>cation)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:45 |
| L25 | 3   | "6577991"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:46 |

## EAST Search History

|     |      |  |   |     |     |                  |
|-----|------|--|---|-----|-----|------------------|
| L26 | 1213 | koitabashi.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:46 |
| L28 | 2    | "20020044187"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:57 |
| L29 | 0    | "20020044187" and (anionic with hydrophilic) same black                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:58 |
| L30 | 1    | "20020044187" and (anionic with black)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:58 |
| L31 | 1    | "20020044187" and (anionic with black) and linear                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:59 |
| L32 | 0    | "20020044187" and (anionic with black) and linear and hydrophilic                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 09:59 |
| L33 | 1    | "20020044187" and (anionic with black) and linear and hydrophilic                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:00 |
| L34 | 1    | "20020044187" and (anionic with black) and linear and hydrophilic and self\$dispers\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:02 |

## EAST Search History

|     |       |  |   |     |     |                  |
|-----|-------|--|---|-----|-----|------------------|
| L35 | 16325 | (soluble with bind\$3) and<br>(polymer\$2 with bind\$3) and<br>(weight)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:02 |
| L36 | 4645  | (soluble with bind\$3) and<br>(polymer\$2 with bind\$3) and<br>(weight) and ink  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:03 |
| L37 | 2855  | (soluble with bind\$3) and<br>(polymer\$2 with bind\$3) and<br>(weight with bind\$3) and ink   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:03 |
| L38 | 44    | (soluble with bind\$3) and<br>(polymer\$2 with bind\$3) and<br>(weight with bind\$3) and 347/100   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:03 |
| L39 | 1     | (soluble with bind\$3) and<br>(polymer\$2 with bind\$3) and<br>(weight with bind\$3) and (bind\$3<br>with (linear and anionic)) and<br>347/100 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:04 |
| L40 | 19    | (soluble with bind\$3) and<br>(polymer\$2 with bind\$3) and<br>(weight with bind\$3) and (bind\$3<br>with (linear and anionic)) and ink        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:05 |
| L41 | 39    | (linear with polymer\$2) same<br>anionic same bind\$3 same soluble   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:06 |
| L42 | 3     | (linear with polymer\$2) same<br>anionic same bind\$3 same soluble<br>and ink  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:06 |

## EAST Search History

|     |     |  |   |     |     |                  |
|-----|-----|--|---|-----|-----|------------------|
| L43 | 362 | ink and (anionic with polymer)<br>same bind\$3                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:06 |
| L44 | 8   | ink and (anionic with polymer)<br>same bind\$3 same linear                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:06 |
| L45 | 1   | 2001-584156.NRAN.  | DERWENT   | AND | OFF | 2006/06/07 10:15 |
| L46 | 0   | "6550903".pn. and "6383275"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:24 |
| L47 | 4   | "6550903".pn. or "6383275".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:24 |
| L48 | 2   | "6550903".pn. or "6383275".pn.<br>and anionic and carboxyl                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:25 |
| L49 | 128 | (anionic with hydrophilic) same<br>carboxyl same dispers\$3                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:25 |
| L50 | 34  | (anionic with hydrophilic) same<br>carboxyl same dispers\$3 and ink          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:26 |
| L51 | 2   | (anionic with hydrophilic) same<br>carboxyl same self\$dispers\$3 and<br>ink | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/06/07 10:26 |

## EAST Search History

|     |     |  |   |     |     |                  |
|-----|-----|--|---|-----|-----|------------------|
| S1  | 38  | "1191077" "1172225" "1125994"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/18 10:12 |
| S32 | 110 | 347/100.ccls. and soluble near7<br>binder and (anionic or negativ\$3<br>near3 charge\$2)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/11/16 16:07 |
| S33 | 104 | 347/100.ccls. and water near5<br>soluble near7 binder and (anionic or<br>negativ\$3 near3 charge\$2)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/11/16 16:07 |
| S34 | 0   | 347/100.ccls. and water near5<br>soluble near7 binder seame (anionic<br>or negativ\$3 near3 charge\$2) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/11/16 16:07 |
| S35 | 15  | 347/100.ccls. and water near5<br>soluble near7 binder same (anionic<br>or negativ\$3 near3 charge\$2)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/11/16 16:07 |
| S39 | 9   | multivalent near3 cation and<br>"347"/100.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/11/17 09:23 |
| S40 | 1   | 347/100.ccls. and copper near3<br>soluble same (fix\$3 near (fluid or<br>solvent))                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/11/17 09:28 |
| S41 | 1   | 347/100.ccls. and (copper or Cu or<br>"Cu.+") near3 soluble same (fix\$3<br>near (fluid or solvent))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/11/17 09:29 |

## EAST Search History

|     |      |   |   |     |     |                  |
|-----|------|---|---|-----|-----|------------------|
| S42 | 1    | 347/100.ccls. and (copper or Cu or "Cu.+") same (fix\$3 near (fluid or solvent))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/11/17 09:29 |
| S43 | 507  | 347/100.ccls. and (copper or Cu or "Cu.+")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/11/17 10:13 |
| S44 | 85   | 347/100.ccls. and (copper or Cu or "Cu.+") same (fix\$3 or dispers\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/11/17 10:22 |
| S45 | 1    | 347/100.ccls. and (copper or Cu or "Cu.+") same (fix\$3 or dispers\$3) same ((mole near2 liter) or (mol near2 liter) or (mole near2 L) or (mol near2 L) or (M near2 L)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/11/17 10:23 |
| S46 | 6    | 347/100.ccls. and (copper or Cu or "Cu.+") same ((mole near2 liter) or (mol near2 liter) or (mole near2 L) or (mol near2 L) or (M near2 L))                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/11/17 10:25 |
| S47 | 6    | 347/100.ccls. and (copper or Cu or "Cu.+" or "Cu.++") same ((mole near2 liter) or (mol near2 liter) or (mole near2 L) or (mol near2 L) or (M near2 L))                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/11/17 10:25 |
| S48 | 16   | "347"/\$3.ccls. and (copper or Cu or "Cu.+" or "Cu.++") same ((mole near2 liter) or (mol near2 liter) or (mole near2 L) or (mol near2 L) or (M near2 L))                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/11/17 10:33 |
| S49 | 1842 | 347/100.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/11/17 13:41 |



## EAST Search History

|     |     |  |   |     |     |                  |
|-----|-----|--|---|-----|-----|------------------|
| S50 | 13  | "1125994"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/11/17 13:13 |
| S51 | 4   | "6550903"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/11/17 13:13 |
| S52 | 924 | "0778321" "1125994" "1172225"<br>"1191077" "0534634" "04065501"<br>"5746818" "6450632"<br>"20020044185" "5554739"<br>"5571311" "5609671" "5672198"<br>"5698016" "5707432" "5718746"<br>"5747462" "5749950" "5803959"<br>"5837045" "5846307" "5851280"<br>"5861447" "5885335" "5895522"<br>"5922181258105928419" "5976233"<br>"6057384" "6057384" "6099632"<br>"6123759" "6153001" "6221141"<br>"6221142" "6221143" "6277183"<br>"6281267" "6329446" "9332919"<br>"6375317" "20010035110"<br>"5571331" "1086997" "1114851"<br>"1158030" "1167471" "1122286"<br>"0110963" "0125340" "0194476"<br>"1146090" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/26 09:06 |
| S53 | 26  | ("1125994" "1172225" "1191077").<br>pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/18 09:44 |
| S54 | 1   | 2001-584156.NRAN.  | DERWENT   | AND | OFF | 2006/05/18 09:37 |
| S55 | 2   | ("6550903").pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/18 09:42 |
| S56 | 0   | ("6550903").pn. and bind\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/18 09:52 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S57 | 20  | "347"/\$3 and (soluble near dispersant)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/18 09:53 |
| S58 | 2   | ("6550903").pn. and soluble                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/18 10:05 |
| S59 | 0   | ("6550903").pn. and soluble same polymer    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/18 09:52 |
| S60 | 0   | ("6550903").pn. and soluble and polymer     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/05/18 09:52 |
| S61 | 32  | "347"/\$3 and (bind\$3 near dispersant)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/18 09:56 |
| S62 | 277 | "347"/\$3 and (bind\$3 near dispers\$3)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/18 10:07 |
| S63 | 3   | 10/755630                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/18 09:57 |
| S64 | 0   | ("6550903").pn. and soluble same polymer\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/18 10:06 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S65 | 1   | ("6550903").pn. and soluble same dispers\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/18 10:06 |
| S66 | 101 | "347"/\$3 and (dispers\$3 near water near soluble)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/18 10:07 |
| S67 | 68  | "347"/\$3 and (dispers\$3 near soluble)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/18 10:07 |
| S68 | 6   | ("6550903" "6827434" "6494569").pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/18 10:13 |
| S69 | 0   | ("6550903" "6827434" "6494569").pn. and (polymer\$2 with (bind\$3)) and ((dispers\$3 or self\$dispers\$3) with pigment) and ((fix\$3 or fus\$3) with (copper or Cu+))        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/18 10:15 |
| S70 | 1   | (self\$dispers\$3 with pigment) and ((fixing or curing or resin or coating) with (copper near salt)) and ((polymer\$4 with bind\$3) or (multi\$valent with (ion or cation))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/26 08:52 |
| S71 | 2   | (self\$dispers\$3 with pigment) and ((fixing or curing or resin or coating) with (copper near salt))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/26 08:55 |
| S72 | 13  | "1125994"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/26 08:55 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S73 | 4   | "6550903"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/26 09:05 |
| S74 | 160 | ("0778321" "1125994" "1172225"<br>"1191077" "0534634" "04065501"<br>"5746818" "6450632"<br>"20020044185" "5554739"<br>"5571311" "5609671" "5672198"<br>"5698016" "5707432" "5718746"<br>"5747462" "5749950" "5803959"<br>"5837045" "5846307" "5851280"<br>"5861447" "5885335" "5895522"<br>"5922181258105928419" "5976233"<br>"6057384" "6057384" "6099632"<br>"6123759" "6153001" "6221141"<br>"6221142" "6221143" "6277183"<br>"6281267" "6329446" "9332919"<br>"6375317" "20010035110"<br>"5571331" "1086997" "1114851"<br>"1158030" "1167471" "1122286"<br>"0110963" "0125340" "0194476"<br>"1146090").pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/26 09:07 |
| S75 | 3   | ("0778321" "1125994" "1172225"<br>"1191077" "0534634" "04065501"<br>"5746818" "6450632"<br>"20020044185" "5554739"<br>"5571311" "5609671" "5672198"<br>"5698016" "5707432" "5718746"<br>"5747462" "5749950" "5803959"<br>"5837045" "5846307" "5851280"<br>"5861447" "5885335" "5895522"<br>"5922181258105928419" "5976233"<br>"6057384" "6057384" "6099632"<br>"6123759" "6153001" "6221141"<br>"6221142" "6221143" "6277183"<br>"6281267" "6329446" "9332919"<br>"6375317" "20010035110"<br>"5571331" "1086997" "1114851"<br>"1158030" "1167471" "1122286"<br>"0110963" "0125340" "0194476"<br>"1146090").pn. and (pigment and<br>(copper or cu) and (polymer\$3 with<br>soluble)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/26 09:08 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S76 | 0   | ("0778321" "1125994" "1172225"<br>"1191077" "0534634" "04065501"<br>"5746818" "6450632"<br>"20020044185" "5554739"<br>"5571311" "5609671" "5672198"<br>"5698016" "5707432" "5718746"<br>"5747462" "5749950" "5803959"<br>"5837045" "5846307" "5851280"<br>"5861447" "5885335" "5895522"<br>"5922181258105928419" "5976233"<br>"6057384" "6057384" "6099632"<br>"6123759" "6153001" "6221141"<br>"6221142" "6221143" "6277183"<br>"6281267" "6329446" "9332919"<br>"6375317" "20010035110"<br>"5571331" "1086997" "1114851"<br>"1158030" "1167471" "1122286"<br>"0110963" "0125340" "0194476"<br>"1146090").pn. and ((polymeric<br>near dispersant) and<br>(multi\$valen\$3 with cation)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/26 09:10 |
| S77 | 2   | ink same ((polymeric near<br>dispersant) and (multi\$valen\$3 with<br>cation))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/26 09:15 |
| S78 | 6   | ink and ((polymeric near<br>dispersant) and (multi\$valen\$3 with<br>cation))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/26 09:15 |
| S79 | 9   | ((polymeric near dispersant) and<br>(multi\$valen\$3 with cation))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/26 09:19 |
| S80 | 278 | ((polymeric near dispersant) and<br>(cation))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/26 09:19 |
| S81 | 1   | (ink same (polymeric near<br>dispersant) same (cation))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/26 09:19 |

## EAST Search History

|     |    |   |   |    |     |                  |
|-----|----|---|---|----|-----|------------------|
| S82 | 27 | ((polymeric near dispersant) same (cation))                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/26 09:19 |
| S83 | 5  | ((polymeric near dispersant) same (cation)) and ink                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/26 09:19 |
| S84 | 67 | ((polymeric near dispersant) and (cation)) and (347/100 or "106"/\$5) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/26 09:20 |